

| ROUTING | | | |
|------------------------------------|------------------|--------------|----------------|
| TO: | NAME AND ADDRESS | DATE | INITIALS |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| | ACTION | DIRECT REPLY | PREPARE REPLY |
| | APPROVAL | DISPATCH | RECOMMENDATION |
| | COMMENT | FILE | RETURN |
| | CONCURRENCE | INFORMATION | SIGNATURE |
| REMARKS: | | | |
| | | | |
| FROM: NAME, ADDRESS, AND PHONE NO. | | | DATE |
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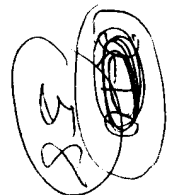
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**SECOND SOVIET SPACE SHUTTLE
RAMENSKOYE FLIGHT TEST CENTER, USSR
(SNN)**

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1. **SIGNIFICANCE:** TWO SPACE SHUTTLES ARE SEEN AT THIS FLIGHT TEST CENTER FOR THE FIRST TIME. (SNN)
2. **REMARKS:** ONE SHUTTLE IS ON A MODIFIED BISON IN THE FLIGHT INSTITUTE (LII) AREA AND A SECOND IS IN THE NEWLY CONSTRUCTED SHELTER IN THE LII AREA. A SHUTTLE WITHOUT A TAIL CONE (INSIDE THE SHELTER) IS ALSO SEEN FOR THE FIRST TIME. TWO LARGE, UNIQUE VEHICLES, PROBABLY TANKERS, ARE BEHIND THE SHELTER. ONE OF THE VEHICLES IS BACKED UP TO THE SHUTTLE, POSSIBLY TRANSFERRING SOME TYPE OF FUEL. THE NEW SHELTER HAS A LARGE BLAST DEFLECTOR BEHIND IT. ON [REDACTED] TWO PROBABLE BLAST DIFFUSERS WERE PRESENT. THE PRESENCE OF THE SHUTTLE IN A HANGAR WITH FACILITIES TO TEST JET ENGINES LENDS STRONG CREDENCE TO THE THEORY THAT THE SOVIET SHUTTLE WILL HAVE AIR-BREATHING ENGINES FOR ENDO-ATMOSPHERIC MANEUVERING. (SNN)

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THE SHUTTLE ATOP THE MODIFIED BISON HAS TWO BLISTERS ON EITHER SIDE OF THE FUSELAGE IN THE AREA WHERE THE TAIL CONE IS JOINED TO THE FUSELAGE. THESE BLISTERS WERE NOT SEEN ON THE SHUTTLE WHEN IT WAS AT RAMENSKOYE BEFORE THE LANDING ACCIDENT IN MARCH 1983. THESE BLISTERS MAY BE ATTACHMENT POINTS OR AIR SCOOPS FOR THE AIR-BREATHING ENGINES. THE SNOW MELT BEHIND THE BISON WITH THE SHUTTLE ON TOP INDICATES THAT THE BISON ENGINES HAVE BEEN RUN UP RECENTLY. (SNN)

RAMENSKOYE FLIGHT TEST CENTER, 21 NM SOUTHEAST OF MOSCOW, IS THE MAIN FLIGHT TEST CENTER IN THE SOVIET UNION SUPPORTING THE DESIGN, DEVELOPMENT, AND TESTING OF NEW AIRCRAFT AND MODIFICATIONS TO EXISTING AIRCRAFT. (S)

3. [REDACTED] COORDINATES 55-34-21N 038-09-26E (C)

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